**Additional questions on Explaining Polarity of molecules**

**1)** Elements M and X form a compound MX2. Atoms of element X have a higher electronegativity value than atoms of element M, therefore the M–X bonds are polar.  
Depending on what elements M and X are, molecules of the compound formed will be polar or non-polar.  
State the most likely shape(s) of the molecule if it is i) polar or ii) non-polar

Justify your answer and draw diagrams of the possible molecules with dipoles labelled.  You do not need to identify what elements M and X are.

© 2014 <http://www.chemicalminds.wikispaces.com>

NCEA questions and answers reproduced with permission from NZQA­